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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

First Inventor

Bor Z Jang

Title

Twin-Wire Arc Deposited Electrode, Solid Electrolyte
Membrane, Membrane Electrode Assembly And Fuel Cell

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

U.S. PTO
19270 10/706205
111303

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 31]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 7]
5. Oath or Declaration [Total Sheets]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
name in the prior application. see 37 CFR
1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:
Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of
(when there is an assignee) Attorney
11. English Translation Document (if applicable)
12. Information Disclosure Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. Other:

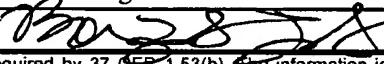
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.:Prior application information: Examiner _____ Art Unit: _____
For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

 Customer Number: _____ OR Correspondence address below

Name	Bor Z Jang			
Address	2902, 28 AVE, S.W.			
City	FARGO	State	ND	Zip Code
Country	USA	Telephone	701-298-8415	Fax

Name (Print/Type)	Bor Z Jang	Registration No. (Attorney/Agent)	
Signature			Date

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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18351
111303
U.S.PTO

FEE TRANSMITTAL

for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 780)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Bor Z Jang
Examiner Name	
Art Unit	
Attorney Docket No.	

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number

Deposit Account Name

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments

Charge any additional fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Fee	Fee	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)			
1001	750	2001	375	Utility filing fee <input type="text" value="375"/>
1002	330	2002	165	Design filing fee <input type="text"/>
1003	520	2003	260	Plant filing fee <input type="text"/>
1004	750	2004	375	Reissue filing fee <input type="text"/>
1005	160	2005	80	Provisional filing fee <input type="text"/>
SUBTOTAL (1)		(\$ 375)		

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	51	-20** = 31	x 9 = 279
Independent Claims	6	- 3** = 3	x 42 = 126
Multiple Dependent			0 = 0

Large Entity	Fee	Fee	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)			
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 405)		

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051	65 Surcharge - late filing fee or oath	<input type="text"/>
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet	<input type="text"/>
1053	130	1053	130 Non-English specification	<input type="text"/>
1812	2,520	1812	2,520 For filing a request for ex parte reexamination	<input type="text"/>
1804	920*	1804	920* Requesting publication of SIR prior to Examiner action	<input type="text"/>
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action	<input type="text"/>
1251	110	2251	55 Extension for reply within first month	<input type="text"/>
1252	410	2252	205 Extension for reply within second month	<input type="text"/>
1253	930	2253	465 Extension for reply within third month	<input type="text"/>
1254	1,450	2254	725 Extension for reply within fourth month	<input type="text"/>
1255	1,970	2255	985 Extension for reply within fifth month	<input type="text"/>
1401	320	2401	160 Notice of Appeal	<input type="text"/>
1402	320	2402	160 Filing a brief in support of an appeal	<input type="text"/>
1403	280	2403	140 Request for oral hearing	<input type="text"/>
1451	1,510	1451	1,510 Petition to institute a public use proceeding	<input type="text"/>
1452	110	2452	55 Petition to revive - unavoidable	<input type="text"/>
1453	1,300	2453	650 Petition to revive - unintentional	<input type="text"/>
1501	1,300	2501	650 Utility issue fee (or reissue)	<input type="text"/>
1502	470	2502	235 Design issue fee	<input type="text"/>
1503	630	2503	315 Plant issue fee	<input type="text"/>
1460	130	1460	130 Petitions to the Commissioner	<input type="text"/>
1807	50	1807	50 Processing fee under 37 CFR 1.17(q)	<input type="text"/>
1806	180	1806	180 Submission of Information Disclosure Stmt	<input type="text"/>
8021	40	8021	40 Recording each patent assignment per property (times number of properties)	<input type="text"/>
1809	750	2809	375 Filing a submission after final rejection (37 CFR 1.129(a))	<input type="text"/>
1810	750	2810	375 For each additional invention to be examined (37 CFR 1.129(b))	<input type="text"/>
1801	750	2801	375 Request for Continued Examination (RCE)	<input type="text"/>
1802	900	1802	900 Request for expedited examination of a design application	<input type="text"/>

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Bor Z Jang	Registration No. (Attorney/Agent)		Telephone	701-298-8415
Signature				Date	9/7/2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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